

Infrared Optical Tachometer

The CSI 404 infrared tachometer can be used both indoors and outdoors with the CSI 2140 portable analyzer for balancing, synchronous time averaging, phase tracking and startup and coast down analysis.

Dynamic Performance

Light Source	Infrared/Reflective
Maximum Standoff Distance	$\leq \approx 0.9$ m (3 feet) Target Dependent
Output	NPN Current Sinking Open Collector Transistor
Output Rating	200 mA max.
Output Leakage	<1mA (Off Position)
Output Saturation	<200mV at 10mA and <1V at 200mA
Frequency Range	333 Hz (20,000 cpm)
Detection Time	0.83 μ s
Required Tape Inches Detection Width	(RPM) * (Radius in Inches)/20,000

Agency / Compliance

Conforms to: NEMA Standards 1, 2, 3, 3S, 4, 4X, 12 & 13

Electrical

Power 5 to 15 VDC at <25mA Supplied by Battery Pack or CSI 2140

Physical

Mounting Magnetic Base Mount is Typical

Material Sensor: Reinforced Valox with O-ring Seals and SS Screws, Acrylic Lens



A0404B1 Infrared Tachometer Kit

B40405	CSI 404B Infrared Tachometer with Cable
A840	Suitcase for Phototach (All Models)
B404-BASE	404 Ball and Swivel Magnetic Mounting Base
A403	403 Tachometer Reflective Tape
D24861	Cable CSI 2130 IR Tach 2m

A0404P1 Infrared Tachometer Kit (CE, Battery, BNC Version)

B40405	CSI 404B Infrared Tachometer with Cable
A840	Suitcase for Phototach (All Models)
B404-BASE	404 Ball and Swivel Magnetic Mounting Base
A403	403 Tachometer Reflective Tape
D24862	Cable CSI 2130 Tach (BNC) 4ft
A040801	408 Battery Pack

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